LYMM

URBAN DISTRICT COUNCIL.

Medical Officer's Report

FOR THE YEAR 1906.

Submitted February 28th, 1907.

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ANNUAL REPORT, 1906.

MR. CHAIRMAN AND GENTLEMEN,

I have the honour of laying before you the Annual Report for the year 1906.

The Urban District of Lymm forms part of the northern boundary of the County of Chester, dividing it from Lancashire. It lies about five miles eastwards from Warrington. The district consists of a central village with residential and agricultural surroundings. The more central portion of the district, itself somewhat hilly, is surrounded on all sides by plain lands. The population is made up of a residential portion, in business at Manchester (13 miles away) and at Warrington, of shopkeepers, of local operatives (fustian cutters), of artisans and operatives living in the district and working outside it, and finally of an agricultural portion.

The house accommodation throughout the district is adequate, and in all cases fit for habitation. The open space around the houses is ample, and the surroundings of the dwellings are clean.

Plans of all new buildings must be submitted to and approved by the Urban District Council.

During the year 1906 nine new houses have been put up, chiefly of the small villa class, as against 28 last year. No houses have been condemned as unfit for occupation.

Population.

At the census of 1891 the population was 4,995, at the census of 1901 the population was 4,707, the decrease during this decennium was thus 288, *i.e.* 5.76 per cent.

This decrease is however to be explained by the exodus of those workmen and their families who, occupied in the construction of the Ship Canal, left the district on its completion.

From 1881—1891 (census years) there was an increase of 330. On this increase, on the new houses built and inhabited, and on other factors I estimate the population to the middle of 1906 as 4,920, being an increase of 20 on the year 1905.

BIRTHS.

During the year there have been registered in the district 121 births. Seventy of these were males, 51 females; three were illegitimate.

This gives a birth-rate of 24.5 per thousand living, as compared with a birth-rate of 22.2 for 1905. In 1905 the birth-rate for the County of Chester was 24.7.

For the whole of the Urban Districts of the County 25.7.

For the whole of England and Wales 27.2.

Thus our district was low as compared with the county and with the whole of England and Wales. The birth-rate for the whole country was, moreover, low in 1905.

DEATHS.

The total number of deaths during the year was 76; of which seven were of residents occurring in public institutions outside the district. The net death-rate for 1906 is 15.4 per thousand living, as against 12.8 for 1905.

Of these 76 deaths, 33 occurred in persons of 65 years of age and over, and of these again 19 were 75 years of age and upwards.

Analysis and Comparison.

							190	5.	1906.
Seven princi	ipal .	Zym	otic I	Disea	ises		4	• • •	7
Bronchitis					• • •	• • •	3		9
Phthisis						• • •	4	• • •	7
Other Tuber	cula	r Dis	eases	5 > 4 4		• • •	4		3
Pneumonia	• • •						2		2
Influenza		* .					4	• • •	2
Heart Disea	se		1.1				5		9
Accidents				hr •			4	• • •	3
Cancer							8	• • •	6

The seven principal Zymotic diseases are, following the Registrar General's returns—Smallpox, Measles, Scarlet Fever, Diphtheria and Membranous Croup, Whooping Cough, Fever, and Diarrheea.

The seven deaths this year under this heading consist of one from whooping cough, one from diphtheria, one enteric fever, and four from diarrhea.

Of the nine deaths from bronchitis, three were infants under one year old, the other six were upwards of 65 years old.

With respect to the deaths from heart disease all the nine were of persons of over 65 years of age, for the most part of old people in whom degenerative changes in the heart and great vessels caused heart failure as the immediate cause of death.

Cancer accounts for six deaths this year as against eight in 1905, and five in 1904.

I regret to say that in spite of the continual efforts made all over the world, I do not think that of late any definite step has been made in the direction of finding out the cause, prevention, or cure of this most fatal disease.

There were three deaths from accident, and three inquests were held during the year.

Infant Mortality.

There were 16 deaths of infants of twelve months old and under. This gives a death-rate of 132 per thousand births registered. The average for the previous ten years is 14 deaths, with a rate of 117 per thousand births registered. This year compares very unfavourably with 1905, with seven deaths and a rate of 64 per thousand registered.

Of the 16 deaths four were of infants under one week old, prematurely born or suffering from congenital defects, four were from diarrhæa, four from respiratory diseases, and one from erysipelas.

Although 16 is a higher figure than we have had here for some years, the deaths are not such for the most part as would be directly and especially due to bad feeding or want of hygienic care, but such as might happen to healthy children however well fed and tended.

Cases of Infectious Diseases Notified.

During the year 1906 there were notified 106 cases of infectious disease. Out of these there were three deaths, viz:—One from diphtheria, one from typhoid fever, and one (an infant under 12 months) from erysipelas.

Of measles 81 cases were reported without a death. This is a good record, and I think that it is in a measure due to the fact that since 1900 measles was made notifiable in the district on the suggestion of Dr. Lunt in his report for that year.

In Lymm, whooping cough is not notifiable. We have had an epidemic during the year. Whooping cough is one of the seven principal Zymotic diseases above mentioned, and the most fatal of all to infants and children under 5 years of age. We, out of probably between 80 and 100 cases, have had one death, that of a child between 1 and 2 years of age. Notification would not seem to be of much avail in arresting the spread of this dangerous disease; in support of which I should like to quote the Medical Officer of Health for the County of Cheshire. In his report for 1905 he says:—

"Infectiousness in whooping cough begins with the earliest symptoms. In the early non-spasmodic stage the child is most likely to be a source of danger to others. When the whoop begins (and the disease is not commonly recognised till then), the power of communicating the disease begins to decline. For this reason and for others the compulsory notification of whooping cough is not likely to prove of much assistance in checking the spread of the disease."

Enteric Fever,

also called typhoid fever, has been notified in four instances this year. For some years in Lymm we have been exceptionally free from enteric fever. The four cases occurred in four separate houses, two in each of two districts two miles apart. In spite of careful inquiry and inspection no definite cause could be found. The milk, water, drainage, closets, and so on, were satisfactory. In one case the diagnosis was confirmed by the Pathological Institute of the Victoria University of Manchester.

Diptheria—2 cases reported, 1 death.

Erysipelas—5 cases reported, 1 death.

Chicken Pox—9 cases reported.

Scarlet fever—5 cases reported, of which two were at different times isolated in our hospital.

Disinfection and Isolation.

Disinfection is still effected by spraying with Formalin, and continues satisfactory. Such articles as cannot be so disinfected or by boiling are, by arrangement with the Warrington Authority there treated by steam. In the case of enteric fever the attendants upon the patient are warned that the urine, vomit, and fæces of the patient are sources of infection, and must be well disinfected with strong carbolic acid before removal.

The Isolation Hospital has been twice in use during the year, for two cases of scarlet fever. It is inspected from time to time, and always kept ready for immediate use. A suitable vehicle for conveying patients to and from the hospital has been provided.

The Medical Officer for the County inspected the hospital again during the year, and expressed general satisfaction therewith.

Antitoxin for use in cases of diphtheria is at the command of medical practitioners in the district for suitable and emergency cases.

The arrangement still holds with the Pathological department of the Manchester University for the examination of the blood in cases of suspected typhoid fever, and for the examination of morbid products from the throat or nose in diphtheria.

Sewerage and Drainage.

The effluent from the sewage farm, as analysed by the Irwell Joint Committee, is reported good. The main sewers in the district continue to be flushed with town's water every fortnight. The ejector at Heatley is at present giving satisfaction.

Removal and Disposal of House Refuse.

House refuse is deposited in ashpits, which are emptied by the public scavengers at intervals varying from one to two months according to the size of the ashpit. In 1901, 5,032 ashpits were emptied. The number of loads removed was 1,516.

Ashes and refuse are conveyed by the Council's servants to a tip. Night soil is used by the farmers.

Water Supply.

This is in the hands of a private company, and is generally laid on throughout the district where possible. The analyses always give the result of a good, potable water.

Slaughter Houses.

All are registered. They are six in number, four in actual use. They are all clean and well kept. In one a faulty flagged floor has been covered all over with concrete.

Dairies, Cowsheds, and Milk Shops.

These are 20 in number. They have been regularly inspected and found in good condition.

Bakehouses.

Of the 13 in use, only one is underground, and this is satisfactory. As regards cleanliness, drainage, light, and ventilation, all the bakehouses are satisfactory.

Factory and Workshop Act.

There are 12 factories, 46 workshops, and 3 workplaces in the district, a total of 61.

One hundred and eighty-four visits have been made to these places during the year, and the following points investigated, as suggested:—

- i. (a) Cleanliness. Satisfactory. Whitewashing and cleanliness well attended to.
 - (b) Air space. In all cases above statutory requirements.

- (c) Ventilation. Well provided.
- (d) Drainage of floors in which wet processes are carried on. There is one such place which is well drained.
- (e) Suitable provision of sanitary conveniences is made in all cases.
- ii. Special sanitary regulations for bakehouses.

 All the bakehouses are in a good sanitary condition.
- iii. Home Workers.

There are none in the district.

Offensive Trades.

We have in the district one brick works and one bone manure works. They are both situated across the Ship Canal in an unpopulated part of the outskirts of the district. They cause no nuisance.

The sanitary condition of the district as a whole is good.

Appended with the usual tables is the report of your Sanitary Inspector, Mr. Mort, whom, with your Clerk, Mr. Mullard, I must heartily thank for their kindly assistance, during this, my first complete year of office.

I am, gentlemen,

Yours faithfully,

EDWARD MEYER DE JONG.

TABLE I.

suom	iditer id ər	Public II. Number. Rate.	11 12 18		•		•	•		67	64	82	29	8 63 12.8				
ed in stroits t.i. t.i. t.i. t.i. t.i.	relei riter oirte A le	Deaths or dents regressive In the Didut In The Didut In The Didute In The Didute In The Deaths of the Street In Th	10 1		•							6 1			 _			
suomn	gigsu	Total D Toildu T Tent the I	G		•	•	•	•		-	•	•		П		- Manually	•	
ED IN	Ages.	Rate.	∞		13.5	11.7	12.2	15.0	11.4	14.2	13.1	12.4	13.7	11.2			12.8	12.8
S REGISTERED IN DISTRICT.	At all	Number.	<u></u>		92	29	70	80	61	67	62	59	99	55			99	99
DEATHS THE D	Year of Age.	Rate per 1,000 Births	9		219	118	160	169	94	105	02	78	86	64			117	117
TOTAL	Under 1 Y	Number.	70		29	133	21	20	11	13	∞	s	12	7	-		14	4
BIRTHS.	-	Rate.	4		23.5	9.61	6.78	22.2	22.0	1.97	24.2	21.4	25.4	22.5			22.9	52.0
BIR		Number.	ಣ	. ———	132	110	131	118	117	123	114	102	122	109		1	117	117
addle	im o	Popula mated t	ଠା		5600	5600	5700	5312	5312	4707	4707	4750	4800	4900		(5138	5138
	VHAR		1		1896	1897	1898	1899	1900	1901	1902	1903	1904	1905		Averages for years	Averages for years 1896-11905	Averages for years 1896-11905

Number of inhabited houses, 1,022.

Average number of persons per house, 4.5. | year. Area of District in acres (exclusive of area covered by water) 4,375 acres. Total population at all ages at census of 1901, 4707.

TABLE II.

YEAR.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under one year.
1896	5600	132	76	2 9
1897	5600	110	67	13
1898	5700	131	70	21
1899	5312	118	80	20
1900	5312	117	68	11
1901	4707	123	67	13
1902	4707	114	64	8
1903	4750	102	58	8
1904	4800	122	67	12
1905	4900	109	63	7
Averages of Years 1896 to 1905.	5138	117	66	14
1906	4920	121	76	16

TABLE III.

		Cases 1	Notifie	d in Who	ole Dis	strict.				
			At Ages—Years.							
Notifiable Disease.	At all Ages.	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.			
Small-pox			• • •	• • •		• • •	• • •			
Cholera	• • •		•••		€ • •	• •				
Diphtheria	2	•••	• • •	2						
Membranous croup .	•••			• • •		• - •				
Erysipelas	5	1	• • •	1	• • •	2	1			
Scarlet fever	5	• • •	1	2	1	1				
Typhus fever	• • •	• • •	• • •	• • •		• • •	• • •			
Enteric fever	4	• • •	• • •	• • •	3	1	• • •			
Relapsing fever	•••		• • •	• • •	• • •	•••	• • •			
Continued fever	•••	• • •	• • •	. • •		•••				
Puerperal fever	• • •	• • •	• • •	• • •		• • •	• • •			
Plague		• • •	• • •	• • •	• • •	•••	• • •			
Measles	81	1	32	45	3		• • •			
Chicken-pox	9	• • •	4	3	2	•••	• • •			
Totals .	106	2	37	53	9	4	1			

TABLE IV.

Causes of Death. All			DEATHS DISTE		BELON SUBJ			OLE	s in utions ict.
Measles	CAUSES OF DEATH.		Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Total Deaths in Public Institutions in the District.
Scarlet fever Whooping-cough 1					• • •	• • •	,	• • •	
Whooping-cough 1 1			•	• • •	• • •	• • •			• • •
Diphtheria and Membranous Croup		1.	1	1	• • •			• • •	•••
croup 1 1 1	Whooping-cough	• •)	• • •	1		• • •	• • •	• • •	• • •
Croup		7			1				
Fever { Typhus				•••		• • •	,		• • •
Fever Enteric 1									
Other continued Color Co		1							
Epidemic influenza							• • •		
Plague <t< td=""><td></td><td>9</td><td>3 </td><td></td><td>•••</td><td>• • •</td><td>1</td><td>1</td><td>• • •</td></t<>		9	3		•••	• • •	1	1	• • •
Diarrhæa 4 4					• • •	• • •	• • •		• • •
Enteritis					• • •	• • •	• • •	• • •	
Puerperal fever	TT 1 1 1 1 1	$\cdots \qquad 4$	4		• • •		• • •	• •	
Erysipelas 1 1 1				• • •	• • •		• • •	• • •	• • •
Other septic diseases	- No.			• • •	• • •	• • •	• • •	• •	
Phthisis (Pulmonary Tuber-culosis) 7 2 5 Other tubercular diseases 3 2 1 Cancer, malignant disease 6 4 2 6 4 2 <td></td> <td></td> <td></td> <td>•••</td> <td>2 0 0</td> <td>• • •</td> <td>• • •</td> <td>• • •</td> <td>• • •</td>				•••	2 0 0	• • •	• • •	• • •	• • •
culosis) 7 2 5		1	• • •	• • •	•••	• • •	* * *	• • •	
Other tubercular diseases 3 2 1 4 2 4 2	1 1	[P				2	5		
Cancer, malignant disease. 6 4 2 Bronchitis 9 3 6 Pneumonia 2 1 1 1 1 1				2					• • •
Bronchitis 9 3 6 Pneumonia 2 1 1 Pleurisy 1 1 1 Other diseases of Respiratory organs 3 2 1 Alcoholism 1 1 1 Cirrhosis of liver 1 1 1 Venereal diseases 9 1 1 Premature birth 1 1 1 Diseases and accidents of parturition 9 9 Accidents 3 9 9 Accidents 3 2 1 Suicides 1 1 1 All other causes 22 1 1		1		_		• • •			
Pneumonia 2 1 1 1 1 1 1 1	D., 1. 111	0	3			• • • ,	• • •	6	• • •
Other diseases of Respiratory organs 3 2 1 Alcoholism Cirrhosis of liver	Drammania	0	1	• • •		• • •		1	• • •
ratory organs 3 2 1 <	Pleurisy	. 1	• • •			• • •	1		> > •
Alcoholism Cirrhosis of liver Venereal diseases Premature birth Diseases and accidents of parturition Heart diseases 9 Accidents Suicides All other senges									
Cirrhosis of liver \(\) Venereal diseases		. 3	2	• • •	•••	• • •	1		• • •
Venereal diseases Premature birth 1 1 Diseases and accidents of parturition Heart diseases 9 9 Accidents 3 2 1 Suicides									
Premature birth 1 1	,								
Diseases and accidents of parturition		- 1	1	• • •	• • •	• • •	• • •	• • •	• • •
parturition		1	1	• • •	• • •	• • •	• • •	• • •	• • •
Heart diseases 9 9 Accidents 3 2 1 Suicides									
Accidents 3 2 1 Suicides	TT. and dimension	0				• • •			. • • •
Suicides		9					2		
All other causes 99 4 1 1 4 19	0 ' ' 7								
	All other courses	99	4		į				• • •
All causes 76 16 3 1 5 18 33	All causes	. 76	16	3	1	5	18	33	

INFANTILE MORTALITY DURING THE YEAR 1906. Deaths from stated causes in weeks and months under one year of age. TABLE

Total Deaths under One Year.	16	::::::::::::::::::::::::::::::::::::::	
.sdtnoM 21-11	: :		:
satmon 11-01	ा		
entrol 01-6			
.sutnoM 6-8	ස :		
sdinoM 8—7	⊣ :		
.sutmont 7—9	- :		
sdtnoM 9—8	- :		
.edinoM 3-+			;
.sdtmoM 4—8			
sdtnoM 8—2	ಞ :		
.sdtnoM 2—I	⊢ :		
Total under I Month.	4 ::		
8—4 Меекѕ	: :		
2—3 Wеекs,			
1—2 Weeks.	: :		
Under 1 Week	4		
CAUSE OF DEATH.	Certified Uncertified	Small-pox	
	ALL CAUSES.	Common Infectious Diseases Diarrhocal Diseases. Wasting Diseases, Tuberculous Diseases.	

Population: Estimated to middle of 1906, 4,920. Births in the year: Legitimate, 118; Illegitimate, 3. Deaths in the year of Legitimate infants, 13; Illegitimate infants, 3.

ADMINISTRATION OF THE FACTORY AND WORKSHOP ACT, 1901, in connection with

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES, AND HOMEWORK.

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Drawings	Number of								
Premises.	Inspections.	Written Notices.	Prosecutions.						
FACTORIES	36		•••						
(Including Factory Laundries) Workshops (Including Workshop Laundries)	138	•••	•••						
Workplaces Homeworkers' Premises	15								
TOTAL	189		• • •						

2.—DEFECTS FOUND.

2. DHI HOLK							
	Nu	Number of Defects.					
Particulars.	Found.	Found. Remedied. Referred to H.M. Inspector					
Nuisances under the Public Health Acts:—							
TET - 1 - C -1	* * *						
Want of cleaniness							
O-revenue din c							
Want of drainage of floors							
Other nuisances	• • •						
(incufficient							
Sanitary accommodation accommodation not separate for sexes							
accommodation not separate for sexes							
(not beptitite for boxes							
Offences under the Factory and Workshop Act:							
Illegal occupation of underground bake-							
houses (s. 101)		• • •					
Breach of special sanitary requirements							
for bake-houses (ss. 97 to 100)							
Failure as regards lists of outworkers (s. 107)	• • •			• • •			
Giving out work to be (unwholesome (s.							
done in premises (108)	• • •		• • •	•••			
which are infected (s. 110)			• • •				
Allowing wearing apparel to be made in							
premises infected by scarlet fever or							
smallpox (s. 109)	• • •	•••		• • •			
Other offences	• • •		• • •	• • •			
/D							
Total	• • •	•••	***	• • •			

3.—OTHER MATTERS.

${ m Class}_*$	Nun	nber.
Matters notified to H.M. Inspectors of Factories —:		
Failure to affix Abstract of the Factory and Workshop Act (s. 133)		
Action taken in matters referred by H. M. Inspectors as remediable under the Public Health Acts, but not under the Factory and Workshop Act (s. 5) Notified by H.M. Inspectors Reports (of action taken) sent to H.M. Inspector		··
Other	•	•
Underground Bakehouses (s. 101):—		
Certificates granted during the year		• •
In use at the end of the year		1
Homework:—	Numl	per of
Lists of Outworkers (s. 107) :—	Lists.	Outw'rk'rs
Lists received	• • •	\$ \$ s
Addresses of outworkers { forwarded to other Authorities received from other Authorities	• •	
Homework in unwholesome or infected premises :—	Wearing	Other.
Notices prohibiting homework in unwholesome premises (s. 108)	Apparel.	
Cases of Infectious disease notified in homeworkers' premises	• • •	
Orders prohibiting homework in infected premises (s. 110)	• • •	•••
Workshops on the Register (s. 131) at the end of the year	5	9
workshops, such as workshops, such as workshops workshop bake- houses, may be en- umerated here. Morkshop Bakehouses		:6 3
Total number of workshops on Register	5	9

TABULATED SUMMARY OF YEAR'S WORK.

Privies and Ashpits Empti	ied	• • •		•••	• • •	5032
Loads of Contents Remove	ed		• • •		• • •	1516
Privies Altered or Reconst.	ructed	• • •	• • •		•••	7
Sanitary Inspections	• • •	• • •			• • •	142
Defective House Drains Re	$\mathbf{ctified}$	or Re-	laid	• • •	e s •	13
Premises Disinfected	• • •	* * *		• • •	• • •	15
Certificates, New Houses	• • •	• • •				9
Canal Boats Inspected	• • •	• • •	• • •	•••	• • •	72
Absence of Certificates	• • •	• • •		• • •	• • •	1
Certificates not identifying	Owner	r with 3	Boat		• • •	3
Rectified as above			• • •	• • •	• • •	4

(Signed) J. MORT,

Surveyor and Inspector.



